

CITY OF SHEBOYGAN

WASTEWATER TREATMENT PLANT OPERATOR I

CODE C08300L

Nature of Work:

Under general supervision of the Wastewater Superintendent, is responsible for the efficient operation, regulation, and maintenance of equipment and facilities located at the Wastewater Treatment Plant and WW Pump/Lift Stations involving the performance of skilled work normally done independently.

Typical Duties: *Essential Functions (These examples do not list all the duties which may be assigned.)

1. Regulates wastewater flow through the treatment plant and makes adjustments in the process in accordance with prescribed standards.
- 2.* Inspects motors, bearings, and gear boxes for overheating and maintains proper lubrication.
- 3.* Collects samples of sewage and effluent at various stages of processing and performs routine physical and chemical analysis, including but not limited to chlorine residual, sulfite residual, ammonia nitrogen concentration, phosphorus concentration, pH, etc....
- 4.* Analyzes and interprets operational data to determine proper process control.
- 5.* Performs start-stop functions on a variety of mechanical and electrical equipment and more complex process equipment systems including but not limited to, pumping systems, chemical feed systems, air supply systems, methane gas systems sludge dewatering systems, etc.
- 6.* Skims and/or cleans process basin walls and water surfaces.
- 7.* Makes and records meter and gauge readings as may be required. Maintains and interprets logs and prepares written reports pertaining thereto.
- 8.* Makes normal repairs to equipment and assists in extensive repairs.
- 9.* Maintains equipment, buildings, and grounds in a clean and orderly manner, including scrubbing and waxing floors.
10. Teaches other employees related skills and procedures necessary in the operation of the wastewater plant and associated equipment.
11. May perform laboratory works in relief of the laboratory technician.

12. Will be required to fill in as relief for vacations, sick leave, etc.

| 13. Performs related duties as required.

Minimum Qualifications:

1. High school graduate or equivalent.
2. One year of on-the-job experience in the operation of/and principles of wastewater treatment and associated equipment.
3. One year of on-the-job experience in the operation and maintenance of motors, compressors, pumps, mechanical equipment, and similar mechanical systems, and a satisfactory grade on a mechanical aptitude test.
4. One year of post high school education directly related to wastewater treatment may be substituted for one year of experience.
5. Certification as a Wisconsin Department of Natural Resources Wastewater Grade I Operator in Three (3) sub-classes. The Wastewater Operators certification may be increased depending on requirements mandated by the WDNR.
6. Ability to work under general instructions and make independent judgments.
7. Knowledge of the methods and principles of the operation of large capacity pumps and related wastewater treatment plant equipment.
8. Knowledge of standard practices, techniques, and principles of water pollution control.
9. Ability to maintain and evaluate records.
10. Ability to inspect sewage plant machinery and mechanical equipment in operation and to detect flaws and defects in operation.
11. Ability to react promptly and effectively in emergencies.
12. Ability to perform manual work involving lifting, climbing, crouching, etc.
13. Will be required to work shifts, holidays, and week-ends.
14. Must possess a valid Wisconsin Motor Vehicle Operator's license.

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